

Attachment A

Southern California Issues that Support Development Proposed: For Internal Discussion Containment - Individual Project

Projects					Criteria Framework for Project Selection					
Project ID	Description	Rough Order of Magnitude Cost	Status	Details	County Priority	Project Readiness by 2020	Regulatory Requirements of Prop. 1A for Phase 1	Connectivity to the HST System / Linkages	Improved Operations/Speed	
					Development of the High Speed Train System	Independent Utility	Enhanced Capacity	PUC Hazard Ranking (Sec 190)	Improvements to Increase Speed	Leverages Local Investment
1	High-Speed Rail Line	\$50B	Planning	Initial route planning, environmental impact studies.	High	High	High	High	High	High
2	Regional Bus Rapid Transit	\$10B	Under Construction	Construction of 100 miles of bus lanes, 50 new buses.	Medium	Medium	Medium	Medium	Medium	Medium
3	Local Street Improvements	\$5B	Completed	Upgrades to 100 local streets, 100 new traffic lights.	Low	Low	Low	Low	Low	Low
4	Port Infrastructure Expansion	\$20B	Planning	Planning and permitting for port expansion, environmental impact studies.	Medium	Medium	Medium	Medium	Medium	Medium
5	Water Treatment Plant Upgrade	\$15B	Under Construction	Upgrades to 50 water treatment facilities, 100 new water tanks.	High	High	High	High	High	High
6	Wind Farm Development	\$10B	Planning	Planning and permitting for 100 new wind turbines, 100 new transmission lines.	Medium	Medium	Medium	Medium	Medium	Medium
7	Solar Panel Installation	\$5B	Under Construction	Upgrades to 100 solar panel installations, 100 new solar panels.	Low	Low	Low	Low	Low	Low
8	Local Road Network	\$10B	Completed	Upgrades to 100 local roads, 100 new streetlights.	Low	Low	Low	Low	Low	Low
9	Public Transit System	\$20B	Planning	Planning and permitting for 100 new transit vehicles, 100 new transit stops.	Medium	Medium	Medium	Medium	Medium	Medium
10	Local Utility Upgrade	\$5B	Under Construction	Upgrades to 100 local utility facilities, 100 new utility poles.	Low	Low	Low	Low	Low	Low

Palm-LA-S05	Brand Boulevard - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development							
Palm-LA-S06	Jessie Street - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development							
Palm-LA-S07	Paxton Street - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development							
Palm-LA-S08	Pierce Street - Closure	\$2,000,000	HST PE/Env	Road crossing closure							
Palm-LA-S09	Osborne Street - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development							
Palm-LA-S10	Branford Street - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development							
Palm-LA-S11	Penrose Street - Closure	\$2,000,000	HST PE/Env	Road crossing closure							
Palm-LA-S12	Sunland Boulevard - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development							
Palm-LA-S13	Arvilla Avenue - Closure	\$2,000,000		Road crossing closure							
Palm-LA-S14	North Buena Vista Street - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development							
Palm-LA-S15	Sonora Avenue - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development							
Palm-LA-S16	Grandview Avenue - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development							
Palm-LA-S17	Chevy Chase - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development							
Palm-LA-S18	Main Street - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development							
Palm-LA-S19	Doran Street - Grade Separation	\$40,000,000	HST PE/Env	Corrects serious safety concerns New Grade Separation							

Palm-LA-S20	Roxford Street - Grade Separation	\$40,000,000	HST PE/Env	New Grade Separation						
Palm-LA-S21	Sheldon Street - Grade Separation	\$40,000,000	HST PE/Env	New Grade Separation						
Palm-LA-S22	Van Nuys Boulevard - Grade Separation	\$40,000,000	HST PE/Env	New Grade Separation						
Ana-LA-S01	Alondra Boulevard - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development						
Ana-LA-S02	Carmenita Road - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development						
Ana-LA-S03	Pioneer Boulevard - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development						
Ana-LA-S04	Vermont - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development						
Ana-LA-S05	South St. - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development						
Ana-LA-S06	Broadway - X-ing Improvements	\$5,000,000		Crossing Improvements (4 quad gates to improve speed & safety) Grade Separate for HSR Development						
Ana-LA-S07	Sycamore - Closure	\$2,000,000		Road crossing closure						
Ana-LA-S08	Santa Ana - Closure	\$2,000,000		Road crossing closure						
Ana-LA-S09	Rosecrans Ave / Marquardt Ave Grade Separation	\$150,000,000	Designed	PUC Rank #1 New Grade Separation						
Ana-LA-S10	Norwalk Blvd / Los Nietos Rd - Grade Separation	\$40,000,000	Designed	PUC Rank #2 New Grade Separation						
Ana-LA-S11	State College Blvd Grade Separation	\$70,000,000	PSR Complete	PUC Rank # 48 Road Under						
Ana-LA-S12	Ball Rd Grade Separation	\$78,000,000	Planning/PSR	Road Over						
Ana-LA-S13	Orangethorpe Ave Grade Separation	\$90,000,000	Planning/PSR	Road Under						
LA-CY1	Durfee Grade Separation	\$50,000,000	Planning							

RIV-S01	McKinley Street Grade Separation (serves ML 91 & IEOC lines)	\$36,000,000	Planning/PA ED	PUC Rank #3 New Grade Separation						
RIV-S02	Jurupa Road Grade Separation (serves ML Riverside line)	\$74,000,000	Planning/PSR	PUC Rank #21 New Grade Separation						
SUBTOTAL		\$860,000,000								
Palm-LA-C01	CP Brighton to CP Roxford Double Track	\$108,600,000	HST PE/Env	Double track single track territory. Independent utility if the existing track is relocated. There is a significant cost difference.						
Palm-LA-C02	Glendale Slide Relocation	\$3,300,000	HST PE/Env	Relocate existing UPRR storage. Independent utility if the existing track is relocated. There is a significant cost difference.						
Palm-LA-C03	Glendale Station Redesign (coincides with Glendale Slide Relocation)	\$20,000,000	HST PE/Env	Relocate existing UPRR storage. Independent utility if the existing track is relocated. There is a significant cost difference.						
Palm-LA-C04	Vincent Siding Extension (to 11,000 ft.)	\$11,200,000	Planning	Extension of existing siding.						
Palm-LA-C05	Palmdale Siding Installation	\$7,000,000	HST PE/Env	Capacity and operations impact.						
Palm-LA-C06	Santa Clarita to Newhall Double Track (includes 4 grade X-ings & Santa Clarita platform)	\$40,200,000	Planning							
Palm-LA-C07	Bob Hope Airport Station Expansion	\$15,000,000	Planning	Airport station adjacent to future HSR station.						
Ana-LA-C01	Union Station Run-Through Tracks	\$350,000,000	Environmental	Needed for capacity impacts for HSR and rail growth in southern California						
LA-C01	Raymer to Bernson Double Track	\$77,000,000	PE/Environ	LOSSAN Corridor feeder to HST system.						
LA-C02	Van Nuys Station Platform	\$40,000,000	PE/Environ	LOSSAN Corridor feeder to HST system.						
LA-C03	UPRR Alhambra Sub - LAUPT to CP Hondo Double Track	\$325,000,000	Planning							
LA-C04	CP Amar to CP Irwin Double Track	\$91,650,000	Planning							
LA-C05	CP Barranca to CP White Double Track	\$110,300,000	Planning							
LA-C06	High Desert Connection to HSR	\$500,000,000	Environmental							

SB-C01	CP Central to CP Archibald	\$104,000,000	Planning						
SB-C02	CP Rochester to CP Nolan Double Track	\$22,750,000	Planning						
SB-C03	CP Beech to CP Locust Double Track	\$46,800,000	Planning						
SB-C04	CP Lilac to CP Rancho Double Track	\$31,850,000	Planning						
SB-C05	Second Fly-over at San Bernardino, CP Rancho to SB Jct.	\$31,850,000	Planning						
SB-C06	CP Rana to CP SB Jct. Double Track Shortway	\$22,750,000	Planning						
OC-C01	Laguna Niguel to San Juan Capistrano Passing Siding	\$30,000,000	Environmental Underway						
OC-C02	Irvine 3rd Main Track Extension	\$75,000,000	Planning/Env. Underway						
SD-C01	San Onofre to Pulgas Double Track	\$66,000,000	PE/Environ/Design	5.8 miles through Camp Pendleton (full amount shown, 62% funded)					
SD-C02	Eastbrook to Shell Double Track	\$45,000,000	PE/Environ	0.6 miles in Oceanside (full amount shown, 16% funded)					
SD-C03	Los Peñasquitos Bridge Replacement	\$20,000,000	Final Design	3 Lagoon Railway Bridge replacements in City of San Diego.					
SD-C04	Carlsbad Village Double Track	\$45,000,000	PE/Environ	1.1 miles of double track, new bridge across Buena Vista Lagoon					
SD-C05	San Elijo Lagoon Double Track	\$78,000,000	PE/Environ	1.5 miles of double track, new bridge across San Elijo Lagoon					
SD-C06	Elvira to Morena Double Track	\$80,000,000	PE/Environ	2.0 miles of double track, curve realignments					
SD-C07	San Dieguito Bridge Replacement/Double Track	\$110,000,000	PE/Environ	1.1 miles of double track, new bridge across San Dieguito Lagoon					
SD-C09	Sorrento to Miramar Ph 2	\$120,000,000	PE/Environ/Design	2.1 miles of double track, curve realignments					
SD-C10	Batiquitos Lagoon Bridge Replacement	\$20,000,000	Planning	Lagoon Railway Bridge replacements in City of Carlsbad					
SD-C11	Lagoon Bridge Replacements (tbd)	\$20,000,000	Planning	Additional lagoon railway bridge replacements in San Diego County					
SD-C12	Tecolote to Friar Double Track	\$44,000,000	Planning	0.9 miles of double track, second bridge across San Diego River					
SUBTOTAL		\$2,712,250,000							

TOTALS

\$3,572,250,000

"Palm-LA" or "Ana-LA" project within HST Phase 1.
County designation only (i.e. "OC") connectivity/linkage
project.

Attachment B : Performance Criteria
8-Feb-12

Number	Criterion	Description	Comment
1	County Priority	Specific priority for each county.	
2	Project Readiness by 2020	Project has the ability to have funding obligated for construction by 2020.	
3	Fits Within Statutory Requirements for Proposition 1A Funding for Phase 1.	Project meets the requirements of Proposition 1A according to the Attorney General.	Need to discuss how other projects are addressed within criteria. If a project does not meet this requirement, how do we pursue other funding sources.
4	Regional Connectivity to the HST System/Linkages	The project contributes to the HSR system and the "Blended Approach" as a regional connector/feeder system.	See No. 2 above.
5	Improved Operations/Speed	The project improves speed and operational efficiency for the existing commuter service.	
6	Enables Development of the High Speed Train System	The project is located on a HSR corridor where the proposed project benefits the ultimate HSR system as well as existing commuter/intercity rail.	Need to discuss the projects in this relationship. How do we work with projects defined to gain capacity versus those that will ultimately benefit HSR; i.e: grade separation vs. grade crossing enhancement.
7	Independent Utility	The project has immediate benefit for commuter and intercity rail apart from HSR.	
8	Enhanced Capacity	The project increases commuter/intercity system capacity with additional trackage and/or signaling.	Several projects identified as "double tracking" have the possibility of varying degrees of benefit to the HSR system in the following ways: 1. Adding another track in the similar location as the existing track. 2. Adding another track while moving the track into the final location to accommodate HSR.
9	CPUC Hazard Ranking (Sec 190)	The project's ranking applying the CPUC Section 190 formula.	Provides an objective ranking.
10	Safety Improvements to Increase Speed	Grade crossing enhancement to correlate with speed or other operational improvement.	
11	Leverages Local Investment	Local or other funding matches or other in-kind resources.	This needs to be discussed further as to how it is applied.